

FISHERIES AND OCEANS CANADA

SOUTH COAST ASSESSMENT BULLETIN

CREEL SURVEY DATA REVIEW PACKAGE

Area 15 May 2022



Prepared By:

South Coast Salmon Stock Assessment Section

Thursday 19th January, 2023



Fisheries and Oceans
Canada

Pêches et Océans
Canada



Table 1: Numbers of Interviews conducted contributing to the area by day and access site.

Date	Day Type	Big Rock Boat Rental	Discovery Marina South		Kitty Coleman	Lund		Pacific Play		Westview
		PM	AM	PM	PM	AM	PM	AM	PM	AM
28 Apr 2022	Midweek									
29 Apr 2022	Midweek									
30 Apr 2022	Weekend									
01 May 2022	Weekend								1	
02 May 2022	Midweek									
03 May 2022	Midweek									
04 May 2022	Midweek									
05 May 2022	Midweek									
06 May 2022	Midweek								1	
07 May 2022	Weekend	1								
08 May 2022	Weekend		1							
09 May 2022	Midweek								2	
10 May 2022	Midweek									
11 May 2022	Midweek									
12 May 2022	Midweek									
13 May 2022	Midweek									
14 May 2022	Weekend									
15 May 2022	Weekend									
16 May 2022	Midweek									
17 May 2022	Midweek									
18 May 2022	Midweek									
19 May 2022	Midweek									
20 May 2022	Midweek			4						
21 May 2022	Weekend	2								
22 May 2022	Weekend			7	1			1		
23 May 2022	Weekend	2								
24 May 2022	Midweek									
25 May 2022	Midweek									
26 May 2022	Midweek									
27 May 2022	Midweek									
28 May 2022	Weekend									
29 May 2022	Weekend									
30 May 2022	Midweek					2				
31 May 2022	Midweek									1
01 Jun 2022	Midweek									
02 Jun 2022	Midweek						1			
03 Jun 2022	Midweek			2						

Table 2: Daily tally of interviews, catch and effort.

Date	Day	Average Fishing Conditions	Interviews & Log Trips	Chinook	Coho	Sockeye	Halibut	Observed Fishing	Flight Time	Expanded Fishing
28-Apr-2022	Thursday		1	4						
29-Apr-2022	Friday		0							
30-Apr-2022	Saturday		1							
01-May-2022	Sunday	frequent whitecaps	1							
02-May-2022	Monday		0					3	1252	6
03-May-2022	Tuesday		1							
04-May-2022	Wednesday		1							
05-May-2022	Thursday		0							
06-May-2022	Friday	calm/rippled	1	2						
07-May-2022	Saturday	calm/rippled	2	2						
08-May-2022	Sunday	calm/rippled	1					8	1254	16
09-May-2022	Monday	calm/rippled	2							
10-May-2022	Tuesday		0							
11-May-2022	Wednesday		0							
12-May-2022	Thursday		0					2	1248	4
13-May-2022	Friday		1							
14-May-2022	Saturday		0					7	1253	14
15-May-2022	Sunday		1							
16-May-2022	Monday		1					3	1246	7
17-May-2022	Tuesday		0							
18-May-2022	Wednesday		0							
19-May-2022	Thursday		0							
20-May-2022	Friday	calm/rippled	6							
21-May-2022	Saturday	calm/rippled	4							
22-May-2022	Sunday	calm/rippled	11	9				41	1231	84
23-May-2022	Monday	calm/rippled	2	3						
	(Victoria Day)									
24-May-2022	Tuesday		0							
25-May-2022	Wednesday		0							
26-May-2022	Thursday		0							
27-May-2022	Friday		0							
28-May-2022	Saturday		4	4						
29-May-2022	Sunday		2	5						
30-May-2022	Monday	calm/rippled	8	7						
31-May-2022	Tuesday	calm/rippled	1							
01-Jun-2022	Wednesday		1	2				9	1253	21
02-Jun-2022	Thursday	calm/rippled	2							
03-Jun-2022	Friday	choppy	3	6						
	Totals	calm/rippled	22	9				3*		6*
	Totals	calm/rippled	28	23				19*		38*

* Average number of boats Observed and Expanded

Table 3: Simple area based cpue (catch per boat trip) expansion.

Day Type	Average Expanded Boats	Number of Days	Total Estimated Effort	CPUE				Retained			
				Chinook	Coho	Sockeye	Halibut	Chinook	Coho	Sockeye	Halibut
Weekend	38	10	380	0.821				312			
Midweek	6	21	126	0.409				52			

Table 4: Recent years estimates of retained catch and effort.

Year	Month	Total Effort	Chinook Kept	Coho Kept	Sockeye Kept	Halibut Kept
2017	May	949	433			
2018	May	1649	2405			
2019	May	514				
2020	May	374				
2021	May	582	314			
2022	May	535	137			0
5-Yr Avg	May	814	1051			

Table 5: Sport Head Recovery Review.

Species	Creel Marked Catch	Creel Mark Rate	Creel Submission Rate	iRec Marked Catch	iRec Mark Rate	iRec Submission Rate	Sport Head Recoveries
Chinook	21	15%	24%	32	23%	16%	5

Table 6: Guided Proprtions Review.

Data Source	Interviews / Angler Days	Guided Proportion
Creel Interivews	50	16%
iRec Anglers	565	12%

Figure 1: Proportion of each day's fishing by hour.

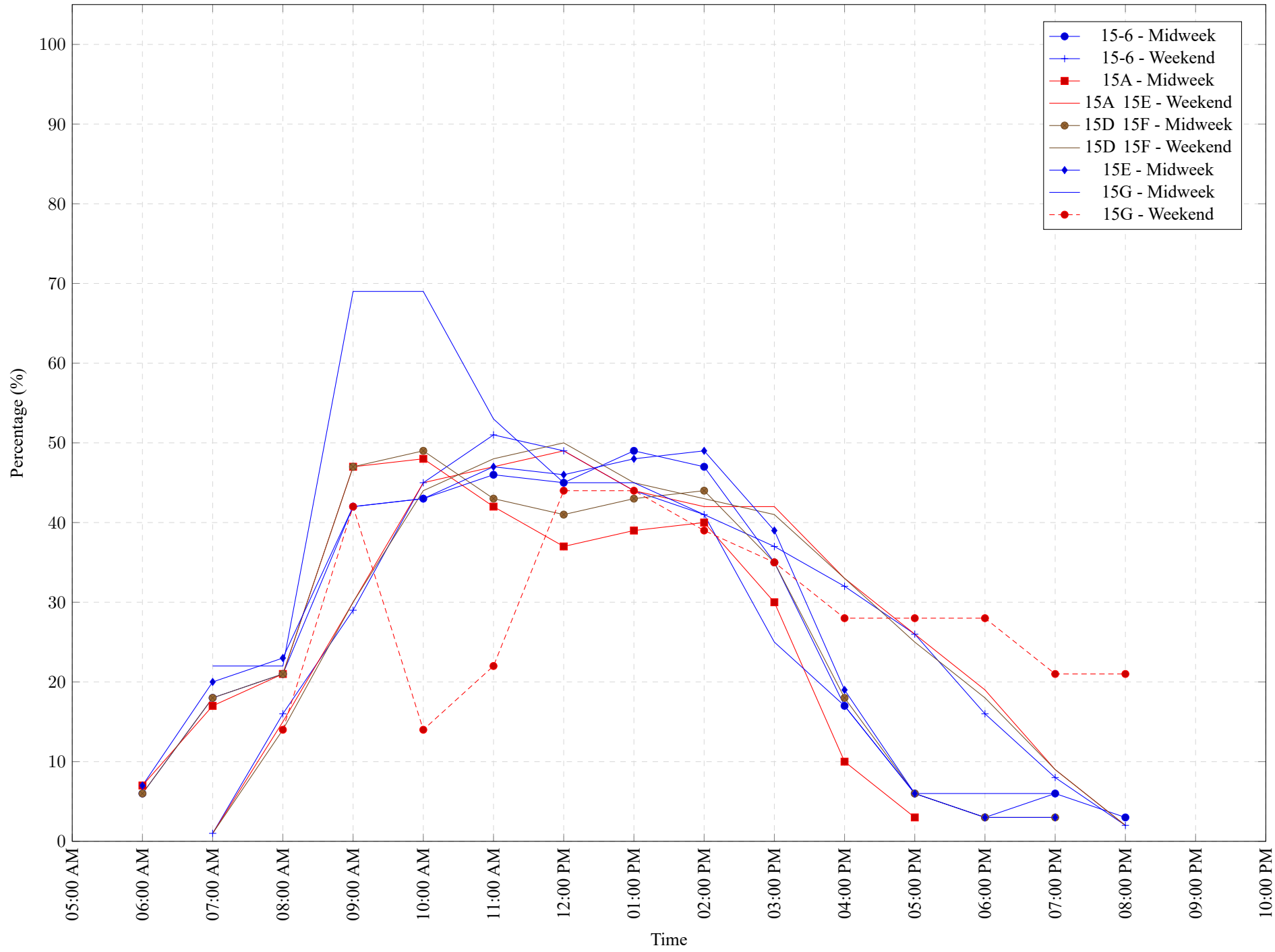


Table 7: Proportion of each day's fishing by hour.

Areas	Day Type	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	01:00 PM	02:00 PM	03:00 PM	04:00 PM	05:00 PM	06:00 PM	07:00 PM	08:00 PM	09:00 PM	10:00 PM
15-6	Midweek	6%	18%	21%	42%	43%	46%	45%	49%	47%	35%	17%	6%	3%	6%	3%	0%	0%
15-6	Weekend	0%	1%	16%	29%	45%	51%	49%	44%	41%	37%	32%	26%	16%	8%	2%	0%	0%
15A	Midweek	7%	17%	21%	47%	48%	42%	37%	39%	40%	30%	10%	3%	0%	0%	0%	0%	0%
15A 15E	Weekend	0%	1%	15%	30%	45%	47%	49%	44%	42%	42%	33%	26%	19%	9%	2%	0%	0%
15D 15F	Midweek	6%	18%	21%	47%	49%	43%	41%	43%	44%	35%	18%	6%	3%	3%	0%	0%	0%
15D 15F	Weekend	0%	1%	14%	30%	44%	48%	50%	45%	43%	41%	33%	25%	18%	9%	2%	0%	0%
15E	Midweek	7%	20%	23%	42%	43%	47%	46%	48%	49%	39%	19%	6%	3%	3%	0%	0%	0%
15G	Midweek	0%	22%	22%	69%	69%	53%	45%	45%	41%	25%	17%	6%	6%	6%	0%	0%	0%
15G	Weekend	0%	0%	14%	42%	14%	22%	44%	44%	39%	35%	28%	28%	28%	21%	21%	0%	0%

Table 8: Daily Fishing Conditions.

Date	Day Type	Big Rock Boat Rental	Discovery Marina South	Kitty Coleman	Lund	Pacific Play	Westview
28 Apr 2022	Midweek						
29 Apr 2022	Midweek						
30 Apr 2022	Weekend						
01 May 2022	Weekend					frequent whitecaps	
02 May 2022	Midweek						
03 May 2022	Midweek						
04 May 2022	Midweek						
05 May 2022	Midweek						
06 May 2022	Midweek					calm/rippled	
07 May 2022	Weekend	calm/rippled					
08 May 2022	Weekend		calm/rippled				
09 May 2022	Midweek					calm/rippled	
10 May 2022	Midweek						
11 May 2022	Midweek						
12 May 2022	Midweek						
13 May 2022	Midweek						
14 May 2022	Weekend						
15 May 2022	Weekend						
16 May 2022	Midweek						
17 May 2022	Midweek						
18 May 2022	Midweek						
19 May 2022	Midweek						
20 May 2022	Midweek		calm/rippled				
21 May 2022	Weekend	calm/rippled					
22 May 2022	Weekend		calm/rippled	calm/rippled		choppy	
23 May 2022	Weekend	calm/rippled					
24 May 2022	Midweek						
25 May 2022	Midweek						
26 May 2022	Midweek						
27 May 2022	Midweek						
28 May 2022	Weekend						
29 May 2022	Weekend						
30 May 2022	Midweek				calm/rippled		
31 May 2022	Midweek						calm/rippled
01 Jun 2022	Midweek				calm/rippled		
02 Jun 2022	Midweek						
03 Jun 2022	Midweek		choppy				